

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

31. (Currently Amended) The method of simulating a normal walking pattern for a patient comprising, providing a patient with harness, providing a powered lifting device, attaching the harness to the lifting device, lifting the patient and lowering the patient onto a powered treadmill, providing proving a powered leg actuator assembly including two leg actuator portions at one side of the treadmill, attaching the first leg actuator portion to the ankle of one leg of the patient, attaching the second leg actuator portion at a point just above the knee of said one leg of the patient, providing control means to separately and independently control the speed of movement of the treadmill, the first leg actuator portion and the second leg actuator portion to coordinate the movement of the patient's leg to cause the leg to move in a desired gait.
32. (Original) The method of claim 31 including the step of varying the height of said first and second leg actuator portions relative to the treadmill in accordance with the height of a patient.
33. (Original) The method of claim 31 including the step of proving hand holds which are grasped by the patient while the patient's leg is being moved to stabilize the patient's torso.
34. (Original) The method of claim 31 including the step of sensing over-travel of the first leg actuator portion to stop the drive means for the first leg actuator portion to prevent damage to a patient's knee.
35. (Currently Amended) The method of simulating a normal walking pattern for a patient comprising, providing a patient with harness, providing a powered lifting device, attaching the harness to the lifting device, lifting the patient and lowering

the patient onto a powered treadmill, providing proving a pair of powered leg actuator assemblies at opposite sides of the treadmill, each of said leg actuator assemblies including two leg actuator portions, attaching the first leg actuator portion at one side of the treadmill to the ankle of one leg of the patient, attaching the second leg actuator portion at said one side of the treadmill at a point just above the knee of said one leg of the patient, attaching the second leg actuator portion at the opposite side of the treadmill to the ankle of the other leg of the patient, attaching the second leg actuator portion at the opposite side of the treadmill at a point just above the knee of the other leg of the patient, providing control means to separately and independently control the speed of movement of the treadmill, each of the first leg actuator portions and each of the second leg actuator portions to coordinate the movement of the patient's legs to cause the leg to move in a desired gait.

36. (Original) The method of claim 31 including the step of varying the height of said first and second leg actuator portions of either of or both of the leg actuator assemblies relative to the treadmill in accordance with the height of a patient.
37. (Original) The method of claim 31 including the step of providing hand holds which are grasped by the patient while the patient's legs are being moved to stabilize the patient's torso.
38. (Original) The method of claim 31 including the step of sensing over-travel of the first leg actuator portion of each of the leg actuator assemblies to stop the drive means for the associated first leg actuator portion to prevent damage to a patient's knee.